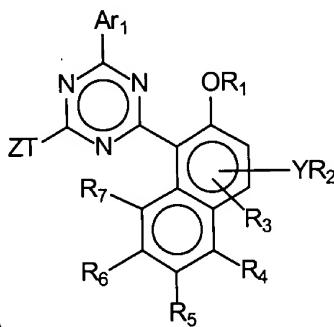


What is claimed is:

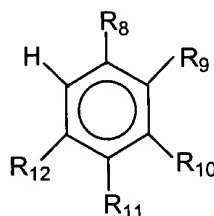
1. A triazine compound of Formula I:



Formula I

- 5
- 10
- Sub A 1
- wherein R_1 , R_2 , are the same or different and each is hydrogen, alkyl of 1 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, cycloalkyl of 5 to 25 carbon atoms, cycloacyl of 5 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, aracyl of 6 to 24 carbons atoms, COR, CONRR', and SO_2R ;
- 15
- R_3 , R_4 , R_5 , R_6 and R_7 are the same or different and each is hydrogen, halogen, alkyl of 1 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, cycloalkyl of 5 to 25 carbon atoms, cycloacyl of 5 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, aracyl of 6 to 24 carbons atoms, OR, NRR', CONRR', OCOR, CN, SR, SO_2R , SO_3H , SO_3M , wherein M is an alkali metal, R and R' are the same or different and each is hydrogen, alkyl of 1 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, cycloalkyl of 1 to 24 carbon atoms, cycloacyl of 5 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, or aracyl of 6 to 24 carbons atoms, and Y is a direct bond, O, NR'', or S, wherein R'' is hydrogen, alkyl of 1 to 24 carbon atoms, haloalkyl of 1 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, cycloalkyl of 1 to 24 carbon atoms, cycloacyl of 5 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, or aracyl of 7 to 24 carbons atoms;
- 20
- 25
- 30
- 35
- T is a direct bond, oxygen, NR' or sulfur; Z is a hydrogen, halogen, substituted or unsubstituted alkyl of 1 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, aracyl of 7 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, cycloalkyl of 5 to 24 carbon atoms, cycloacyl of 5 to 24 carbon atoms, substituted or unsubstituted alkyl of 1 to 24 carbon atoms interrupted with at least one hetero atom, cycloalkyl of 5 to 24 carbon atoms interrupted with at least one hetero atoms, CONR'''R''''', SO_2R''' or Ar_2 ,

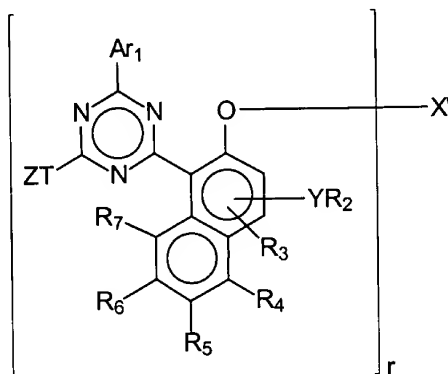
wherein R''' is substituted or unsubstituted alkyl group of 1 to 24 carbon atoms; R'''' is hydrogen or substituted or unsubstituted alkyl group of 1 to 24 carbon atoms and wherein Ar₁ and Ar₂ are each independently a radical of Formula II



Formula II

wherein R₈, R₉, R₁₀, R₁₁, and R₁₂ are the same or different and each is hydrogen, halogen, alkyl of 1 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, aracyl of 6 to 24 carbon atoms, OR, NRR', CONRR', OCOR, CN, SR, SO₂R, SO₃H, SO₃M, wherein M is an alkali metal, and optionally with either of R₈ and R₉, R₉ and R₁₀, R₁₀ and R₁₁, or R₁₁ and R₁₂, taken together being a part of a saturated or unsaturated fused carbocyclic ring optionally containing O, N, or S atoms in the ring with the proviso that the radical of Formula II is not a naphthyl substituted with a hydroxyl group ortho to the point of attachment to the triazine ring.

2. The compound of claim 1, wherein T is a direct bond and Z is Ar₂.
3. The compound of claim 2, wherein R₃, R₄, R₅, R₆ and R₇ are hydrogen.
4. The compound of claim 3, wherein Y is an oxygen, R₁ is hydrogen, R₂ is hydrogen or an alkyl of 1 to 24 carbon atoms.
5. The compound of claim 3, wherein Y is a direct bond, and R₁ and R₂ are hydrogen.
6. The compound of claim 3, wherein Ar₁ and Ar₂ are selected from a group consisting of: phenyl, methylphenyl, dimethylphenyl, diphenyl, phenyl ether, tetralin, tert-butylphenyl, ethylphenyl, propylphenyl, isopropylphenyl, butylphenyl, isobutylphenyl, chlorophenyl, methoxyphenyl, hydroxyphenyl and combinations thereof.
7. A triazine compound of Formula III



Formula III

wherein T, Z, Ar₁, Y, R₂ to R₇ are defined as in claim 1;
r is 2 or 3;

when r is 2, X' is —CO—R¹⁶—CO—, —CO₂—R¹⁶—CO₂—, —SO₂—R¹⁶—SO₂—, —CO—NH—R¹⁷—NH—CO—, a polyoxyalkylene bridge member of formula —CO—(CH₂)_u—O—(CH₂—(CH₂)_u—O—)_{mm}—(CH₂)_u—CO—, or —COC(R²¹)HCH₂NH(C_{nn}H_{2nn}O)_mC_{nn}H_{2nn}—NHCH₂—C(R²¹)HCO—

when r = 3, X' is:
—(—CO₂—R¹⁶)₃R¹⁹, —(—CONH—R¹⁶)₃R¹⁹, —(—SO₂—R¹⁶)₃R¹⁹;

wherein

R¹⁶ is C₂—C₁₀ alkylene, C₂—C₁₀ oxaalkylene or C₂—C₁₀ dithiaalkylene, phenylene, naphthylene, diphenylene or C₂—C₆ alkenylene;

R¹⁷ is C₂—C₁₀ alkylene, phenylene, naphthylene, methylenediphenylene or C₇—C₁₅ alkylphenylene;

R¹⁹ is C₃—C₁₀ alkanetriyl;

R²¹ is hydrogen or C₁—C₆ alkyl;

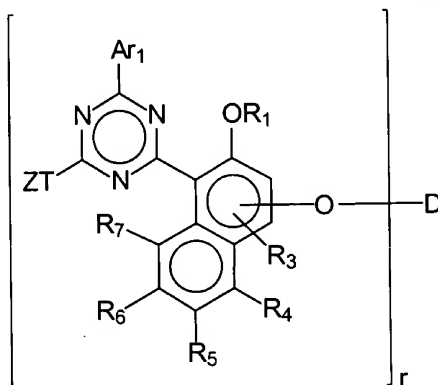
mm is an integer from 2 to 60,

nn is an integer from 2 to 6, and

u is an integer from 1 to 4.

8. A triazine compound of Formula IV

5



Formula IV

10

wherein T, Z, Ar₁, Y, R₁ to R₇ are defined as in claim 1;
r is an integer between 2 and 4;

15

when r is 2, D is selected from the group consisting of C₂—C₁₆ alkylene, C₄—C₁₂

20

alkenylene, xylylene, C₃—C₂₀ alkylene which is interrupted by one or more oxygen atoms, hydroxy-substituted C₃—C₂₀ alkyl which is interrupted by one or more oxygen atoms, —CH₂CH(OH)CH₂O—R¹⁵—OCH₂CH(OH)CH₂—, —CO—R¹⁶—CO—, —CO—NH—R¹⁷—NH—CO—, —(CH₂)_s—COO—R¹⁸—OCO—(CH₂)_s—

a polyoxyalkylene bridge member of the formula XX

25

—CH₂—CH(OH)—CH₂—O—(CH₂—(CH₂)_u—O—)_{mm}—CH₂—CH(OH)—CH₂— (XX),

a polyoxyalkylene bridge member of the formula XXI

—CO—(CH₂)_u—O—(CH₂—(CH₂)_u—O—)_{mm}—(CH₂)_u—CO— (XXI),

a polyoxyalkylene bridge member of the formula XXII

—YY—O—CO(CH₂)_u—O—(CH₂—(CH₂)_u—O—)_{mm}—(CH₂)_u—COO—YY— (XXII),

30

a polyoxyalkylene bridge member of the formula XXIII

—(CH₂)_{kk}—CH(R²¹)—CO—B₁—(C_{nn}H_{2nn}—O—)_{mm}—C_{nn}H_{2nn}—B₁—CO—CH(R²¹)—(CH₂)_{kk}— (XXIII),

a polyoxyalkylene bridge member of the formula XXIV

—COC(R²¹)HCH₂NH(C_{nn}H_{2nn}O)_mC_{nn}H_{2nn}—NHCH₂—C(R²¹)HCO— (XXIV),

35

a polyoxyalkylene bridge member of the formula XXV

—YY—O—CO—(CH₂)₂—NH—(C_{nn}H_{2nn}—O—)_{mm}—C_{nn}H_{2nn}—NH—(CH₂)₂COO—YY— (XXV),

a polyoxyalkylene bridge member of the formula XXVI

—(C_{nn}H_{2nn}—O—)_{mm}—C_{nn}H_{2nn}— (XXVI),

40

and a polyoxyalkylene bridge member of the formula XXVII

—CH(CH₃)—CH₂—(O—CH(CH₃)—CH₂)_a—(O—CH₂—CH₂)_b—(O—CH₂—

$\text{CH}(\text{CH}_3)_c-$

(XXVII),

wherein $a + c = 2.5$ and $b = 8.5$ to 40.5 or $a + c = 2$ to 33 and $b = 0$,

R^{21} is hydrogen or C_1-C_{16} alkyl,

YY is unsubstituted or substituted C_2-C_{20} alkyl,

kk is zero or an integer from 1-16,

mm is an integer from 2 to 60,

nn is an integer from 2 to 6,

u is an integer from 1 to 4;

B_1 is O or NH;

R^{15} is C_2-C_{10} alkyl, C_2-C_{10} oxaalkyl or C_2-C_{10} dithiaalkyl, phenyl, naphthyl, diphenyl, or C_2-C_6 alkenyl, or phenylene-XX-phenylene wherein XX is $-\text{O}-$, $-\text{S}-$, $-\text{SO}_2-$, $-\text{CH}_2-$, or $-\text{C}(\text{CH}_3)_2-$;

R^{16} is C_2-C_{10} alkyl, C_2-C_{10} oxaalkyl or C_2-C_{10} dithiaalkyl, phenyl, naphthyl, diphenyl, or C_2-C_6 alkenyl provided that when r is 3 the alkenyl has at least 3 carbons;

R^{17} is C_2-C_{10} alkyl, phenyl, naphthyl, diphenyl, or C_2-C_6 alkenyl, methylenediphenylene, or C_4-C_{15} alkylphenyl; and

R^{18} is C_2-C_{10} alkyl, or C_4-C_{20} alkyl interrupted by one or more oxygen atoms.

when r is 3, D is $-\text{[(CH}_2\text{)}_s-\text{COO-}]_3-\text{R}^{19}$

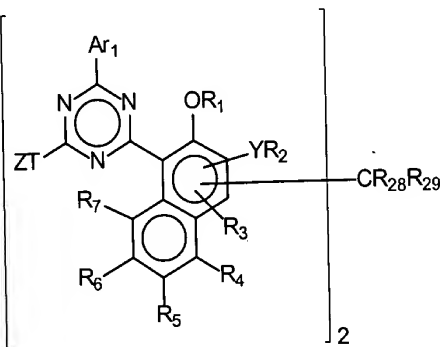
and when r is 4, D is $-\text{[(CH}_2\text{)}_s-\text{COO-}]_4-\text{R}^{20}$

wherein R^{19} is C_3-C_{10} alkanetriyl;

R^{20} is C_4-C_{10} alkanetetryl; and

s is 1-6.

9. A triazine compound of Formula V



Formula V

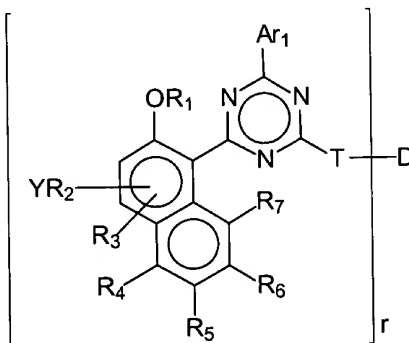
wherein T, Z, Ar₁, Y, R₁ to R₇ are defined as in claim 1; ✓

and wherein R₂₈ and R₂₉ can be the same or different and each is independently a hydrogen, a C₁-C₂₀ alkyl, an aryl or substituted C₁-C₂₀ aryl.

5

10. A triazine compound of Formula VI

10



15

Formula VI

wherein T, Ar₁, Y, R₁ to R₇ are defined as in claim 1; ✓

r is an integer between 2 and 4;

20

when r is 2, D is selected from the group consisting of C₂-C₁₆ alkylene, C₄-C₁₂

alkenylene, xylene, C₃-C₂₀ alkylene which is interrupted by one or more oxygen

atoms, hydroxy-substituted C₃-C₂₀ alkylene which is interrupted by one or more oxygen

atoms, —OOCR¹⁴COO—, —CH₂CH(OH)CH₂O—R¹⁵—OCH₂CH(OH)CH₂—, —CO—R¹⁶—

25

CO—, —CO—NH—R¹⁷—NH—CO—, and —(CH₂)_s—COO—R¹⁸—OCO—(CH₂)_s—; and

when r is 3, D is —[(CH₂)_s—COO—]₃—R¹⁹

and when r is 4, D is —[(CH₂)_s—COO—]₄—R²⁰

30

wherein R¹⁹ is C₃-C₁₀ alkanetriyl and R²⁰ is C₄-C₁₀ alkanetetriyl;

s is 1-6;

R¹⁴ is C₁-C₁₂ alkyl or phenyl;

R¹⁵ is C₂-C₁₀ alkylene phenylene or a phenylene-X₂-phenylene- group, wherein X₂ is —

35

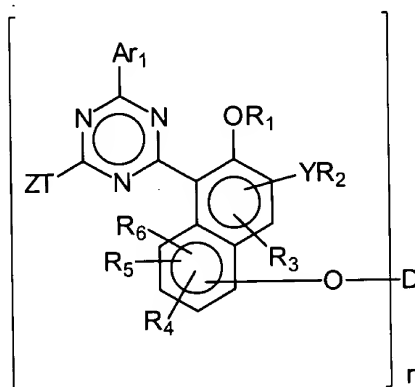
O—, —S—, —SO₂—, —CH₂—, or —C(CH₃)₂—;

R^{16} is C_2-C_{10} alkylene, C_2-C_{10} oxaalkylene or C_2-C_{10} dithiaalkylene, phenylene, naphthylene, diphenylene or C_2-C_6 alkenylene;

R^{17} is C_2-C_{10} alkylene, phenylene, naphthylene, methylenediphenylene or C_7-C_{15} alkylphenylene, and

R^{18} is C_2-C_{10} alkylene or C_4-C_{20} alkylene which is interrupted by one or more oxygen atoms.

11. A triazine compound of Formula VII



Formula VII

wherein T, Z, Ar_1 , Y, R_1 to R_7 are defined as in claim 1;
r is an integer between 2 and 4;

when r is 2, D is selected from the group consisting of C_2-C_{16} alkylene, C_4-C_{12} alkenylene, xylylene, C_3-C_{20} alkylene which is interrupted by one or more oxygen atoms, hydroxy-substituted C_3-C_{20} alkylene which is interrupted by one or more oxygen atoms, $-OOCR^{14}COO-$, $-CH_2CH(OH)CH_2O-R^{15}-OCH_2CH(OH)CH_2-$, $-CO-R^{16}-CO-$, $-CO-NH-R^{17}-NH-CO-$, and $-(CH_2)_s-COO-R^{18}-OCO-(CH_2)_s-$; and

when r is 3, D is $-[(CH_2)_s-COO-]_3-R^{19}$

and when r is 4, D is $-[(CH_2)_s-COO-]_4-R^{20}$

wherein R^{19} is C_3-C_{10} alkanetriyl and R^{20} is C_4-C_{10} alkanetetriyl;

s is 1-6;

R^{14} is C_1-C_{12} alkyl or phenyl;

R^{15} is C_2-C_{10} alkylene phenylene or a phenylene- X_2 -phenylene- group, wherein X_2 is —
 $O-$, — $S-$, — SO_2- , — CH_2- , or — $C(CH_3)_2-$;
 R^{16} is C_2-C_{10} alkylene, C_2-C_{10} oxaalkylene or C_2-C_{10} dithiaalkylene, phenylene,
 naphthylene, diphenylene or C_2-C_6 alkenylene;
 5 R^{17} is C_2-C_{10} alkylene, phenylene, naphthylene, methylenediphenylene or C_7-C_{15}
 alkylphenylene, and
 R^{18} is C_2-C_{10} alkylene or C_4-C_{20} alkylene which is interrupted by one or more oxygen
 atoms.

10 12. A method of stabilizing a material comprising the step of contacting said material with the
 triazine compounds of claims 1, 6, 7, 8, 9, 10 or 11.

13. The method of claim 12 wherein said material to be stabilized is selected from the group
 consisting of: polyolefins, polyesters, polyethers, polyketones, polyamides, natural and synthetic
 15 rubbers, polyurethanes, polystyrenes, high-impact polystyrenes, polyacrylates,
 polymethacrylates, polyacetals, polyacrylonitriles, polybutadienes, polystyrenes, ABS, styrene
 acrylonitrile, acrylate styrene acrylonitrile, cellulosic acetate butyrate, cellulosic polymers,
 polyimides, polyamideimides, polyetherimides, polyphenylsulfides, polyphenylene oxide ,
 polysulfones, polyethersulfones, polyvinylchlorides, polycarbonates, polyketones, aliphatic
 20 polyketones, thermoplastic TPO's, aminoresin crosslinked polyacrylates and polyesters,
 polyisocyanate crosslinked polyesters and polyacrylates, phenol/formaldehyde,
 urea/formaldehyde and melamine/formaldehyde resins, drying and non-drying alkyd resins,
 alkyd resins, polyester resins, acrylate resins cross-linked with melamine resins, urea resins,
 isocyanates, isocyanurates, carbamates, epoxy resins, cross-linked epoxy resins derived from
 25 aliphatic, cycloaliphatic, heterocyclic and aromatic glycidyl compounds, which are cross-linked
 with anhydrides or amines, polysiloxanes, Michael addition polymers, amines, blocked amines
 with activated unsaturated and methylene compounds, ketimines with activated unsaturated and
 methylene compounds, polyketimines in combination with unsaturated acrylic polyacetoacetate
 resins, polyketimines in combination with unsaturated acrylic resins, radiation curable
 30 compositions, epoxymelamine resins, organic dyes, cosmetic products, cellulose-based paper
 formulations, photographic film paper, ink, and mixtures thereof.

14. The method of claim 12 wherein the amount of said triazine compound is about 0.1 to
 about 20% by weight based on the material to be stabilized.

35 15. A composition comprising

(a) the triazine compounds of claims 1, 6, 7, 8, 9, 10 or 11; and

(b) at least one other additive selected from the group consisting of: UV-absorbers and light stabilizers, and antioxidants.

5

16. The composition of claim 15 wherein said at least one other additive is selected from the group consisting of 2-(2'-hydroxyphenyl)benzotriazoles, oxamides, 2-(2-hydroxyphenyl)-1,3,5-triazines, 2-hydroxybenzophenones, sterically hindered amines and hindered phenol antioxidants.

10

17. The composition of claim 15 wherein said at least one additive is selected from the group consisting of: 2-(2'-hydroxy-5'-methylphenyl)-benzotriazole; 2-(3',5'-di-tert-butyl-2'-hydroxyphenyl)benzotriazole; 2-(5'-tert-butyl-2'-hydroxyphenyl)benzotriazole; 2-(2'-hydroxy-5'-(1,1,3,3-tetramethylbutyl)phenyl)benzotriazole; 2-(3',5'-di-tert-butyl-2'-hydroxyphenyl)-5-chlorobenzotriazole; 2-(3'-tert-butyl-2'-hydroxy-5'-methylphenyl)-5-chloro-benzotriazole; 2-(3'-sec-butyl-5'-tert-butyl-2'-hydroxyphenyl)-benzotriazole; 2-(2'-hydroxy-4'-octoxyphenyl)benzotriazole; 2-(3',5'-di-tert-amyl-2'-hydroxyphenyl)benzotriazole; 2-(3',5'-bis(α,α -dimethylbenzyl)-2'-hydroxyphenyl)-benzotriazole; a mixture of 2-(3'-tert-butyl-2'-hydroxy-5'-(2-octyloxy-carbonyl-ethyl)phenyl)-5-chloro-benzotriazole, 2-(3'-tert-butyl-5'-[2-(2-ethylhexyloxy)-carbonyl-ethyl]-2'-hydroxyphenyl)-5-chloro-benzotriazole, 2-(3'-tert-butyl-2'-hydroxy-5'-(2-methoxycarbonyl-ethyl)phenyl)-5-chloro-benzotriazole, 2-(3'-tert-butyl-2'-hydroxy-5'-(2-methoxycarbonyl-ethyl)phenyl)benzotriazole, 2-(3'-tert-butyl-2'-hydroxy-5'-(2-octyloxy-carbonyl-ethyl)phenyl)benzotriazole, 2-(3'-tert-butyl-5'-[2-(2-ethylhexyloxy)carbonyl-ethyl]-2'-hydroxyphenyl)benzotriazole, 2-(3'-dodecyl-2'-hydroxy-5'-methylphenyl)benzotriazole and 2-(3'-tert-butyl-2'-hydroxy-5'-(2-isooctyloxy-carbonyl-ethyl)phenyl)benzotriazole; 2,2-methylenebis[4-(1,1,3,3-tetramethylbutyl)-6-benzotriazol-2-ylphenol], the transesterification product of 2-[3'-tert-butyl-5'-(2-methoxycarbonyl-ethyl)-2'-hydroxyphenyl]benzotriazole with polyethylene glycol 300; $[R-CH_2CH-COO(CH_2)_3]_2$ B where R = 3'-tert-butyl-4'-hydroxy-5'-2H-benzotriazol-2-ylphenyl; bis(2,2,6,6-tetramethylpiperidin-4-yl) sebacate; bis(2,2,6,6-tetramethylpiperidin-4-yl)succinate; bis(1,2,2,6,6-pentamethylpiperidin-4-yl)sebacate; bis(1-octyloxy-2,2,6,6-tetramethylpiperidin-4-yl)sebacate; bis(1,2,2,6,6-pentamethylpiperidin-4-yl) n-butyl 3,5-di-tert-butyl-4-hydroxybenzylmalonate; the condensate of 1-(2-hydroxyethyl)-2,2,6,6-tetramethyl-4-hydroxypiperidine and succinic acid; the condensate of N,N'-bis(2,2,6,6-tetramethylpiperidin-4-yl)hexamethylenediamine and 4-tert-octylamino-2,6-dichloro-1,3,5-triazine; tris(2,2,6,6-tetramethylpiperidin-4-yl) nitrilotriacetate; tetrakis(2,2,6,6-tetramethylpiperidin-4-yl)-1,2,3,4-butanetetra-carboxylate; 1,1'-(1,2-ethanediyl)bis(3,3,5,5-tetramethylpiperazinone); 4-benzoyl-

2,2,6,6-tetramethylpiperidine; 4-stearyloxy-2,2,6,6-tetramethylpiperidine; bis(1,2,2,6,6-pentamethylpiperidyl)-2-n-butyl-2-(2-hydroxy-3,5-di-tert-butylbenzyl)malonate; 3-n-octyl-7,7,9,9-tetramethyl-1,3,8-triazaspiro[4.5]decan-2,4-dione; bis(1-octyloxy-2,2,6,6-tetramethylpiperidyl)sebacate; bis(1-octyloxy-2,2,6,6-tetramethylpiperidyl)succinate; the

5 condensate of N,N'-bis(2,2,6,6-tetramethylpiperidin-4-yl)hexamethylenediamine and 4-morpholino-2,6-dichloro-1,3,5-triazine; the condensate of 2-chloro-4,6-bis(4-n-butylamino-2,2,6,6-tetramethylpiperidyl)-1,3,5-triazine and 1,2-bis(3-aminopropylamino)ethane; the condensate of 2-chloro-4,6-bis(4-n-butylamino-1,2,2,6,6-pentamethylpiperidyl)-1,3,5-triazine and 1,2-bis-(3-aminopropylamino)ethane; 8-acetyl-3-dodecyl-7,7,9,9-tetramethyl-1,3,8-

10 triazaspiro[4.5]decane-2,4-dione; 3-dodecyl-1-(2,2,6,6-tetramethylpiperidin-4-yl)pyrrolidin-2,5-dione; 3-dodecyl-1-(1-ethanoyl-2,2,6,6-tetramethylpiperidin-4-yl)pyrrolidin-2,5-dione; 3-dodecyl-1-(1,2,2,6,6-pentamethylpiperidin-4-yl)pyrrolidine-2,5-dione; a mixture of 4-hexadecyloxy- and 4-stearyloxy-2,2,6,6-tetramethylpiperidine; the condensate of N,N'-bis(2,2,6,6-tetramethylpiperidin-4-yl)hexamethylenediamine and 4-cyclohexylamino-2,6-dichloro-1,3,5-triazine; the condensate

15 of 1,2-bis(3-aminopropylamino)ethane, 2,4,6-trichloro-1,3,5-triazine and 4-butylamino-2,2,6,6-tetramethylpiperidine; 2-undecyl-7,7,9,9-tetramethyl-1-oxa-3,8-diaza-4-oxospiro[4.5]decane; oxo-piperanzinyl-triazines and the reaction product of 7,7,9,9-tetramethyl-2-cycloundecyl-1-oxa-3,8-diaza-4-oxospiro[4.5]decane and epichlorohydrin;

2,4,6-tris(2-hydroxy-4-octyloxyphenyl)-1,3,5-triazine; 2-(2-hydroxy-4-n-octyloxyphenyl)-4,6-

20 bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-(2-hydroxy-4-(mixed iso-octyloxyphenyl)-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-(2,4-dihydroxyphenyl)-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2,4-bis(2-hydroxy-4-propyloxyphenyl)-6-(2,4-dimethylphenyl)-1,3,5-triazine; 2-(2-hydroxy-4-octyloxyphenyl)-4,6-bis(4-methylphenyl)-1,3,5-triazine; 2-(2-hydroxy-4-dodecyloxyphenyl)-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-(2-hydroxy-4-tridecyloxyphenyl)-

25 4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-[2-hydroxy-4-(2-hydroxy-3-butyloxypropyloxy)phenyl]-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-[2-hydroxy-4-(2-hydroxy-3-octyloxypropyloxy)-phenyl]-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-[4-dodecyloxy/tridecyloxy-2-hydroxypropoxy)-2-hydroxyphenyl]-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-[2-hydroxy-4-(2-hydroxy-3-dodecyloxypropoxy)phenyl]-4,6-bis(2,4-dimethylphenyl)-

30 1,3,5-triazine; 2-(2-hydroxy-4-hexyloxy)phenyl-4,6-diphenyl-1,3,5-triazine; 2-(2-hydroxy-4-methoxyphenyl)-4,6-diphenyl-1,3,5-triazine; 2,4,6-tris[2-hydroxy-4-(3-butoxy-2-hydroxypropoxy)phenyl]-1,3,5-triazine; 2-(2-hydroxyphenyl)-4-(4-methoxyphenyl)-6-phenyl-1,3,5-triazine, 2,4-dihydroxybenzophenone; 2-hydroxy-4-methoxybenzophenone; 2-hydroxy-4-octyloxybenzophenone; 2-hydroxy-4-decyloxybenzophenone; 2-hydroxy-4-

35 dodecyloxybenzophenone; 2-hydroxy-4-benzyloxybenzophenone, 4,2',4'-trishydroxybenzophenone; 2'-hydroxy-4,4'-dimethoxybenzophenone;

1,3,5-tris(2,6-dimethyl-4-tert-butyl-3hydroxybenzyl)isocyanurate; 1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl)isocyanurate; 1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl)-2,4,6-trimethylbenzene; 2,6-di-tert-butyl-4-methylphenol; 2,2'-ethylidene-bis(4,6-di-tert-butylphenol); 1,1,3-tris(5-tert-butyl-4-hydroxy-2-methylphenyl)butane; esters of β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionic acid with mono- or polyhydric alcohols;

5 esters of β -(5-tert-butyl-4-hydroxy-3-methylphenyl)propionic acid with mono- or polyhydric alcohols; dimethyl-2,5-di-tert-butyl-4-hydroxybenzylphosphonate; diethyl-3,5-di-tert-butyl-4-hydroxybenzylphosphonate; dioctadecyl-3,5-di-tert-butyl-4-hydroxybenzylphosphonate; dioctadecyl-5-tert-butyl-4-hydroxy-3-methylbenzylphosphonate; and the calcium salt of the

10 monoethyl ester of 3,5-di-tert-butyl-4-hydroxybenzylphosphonic acid; amides of β -(3,5-di-tert-butyl-4-hydroxyphenyl)propionic acid such as N,N'-bis(3,5-di-tert-butyl-4-hydroxyphenylpropionyl)hexamethylenediamine; N,N'-bis(3,5-di-tert-butyl-4-hydroxyphenylpropionyl)trimethylenediamine; and N,N'-bis(3,5-di-tert-butyl-4-hydroxyphenylpropionyl)hydrazine.

15 18. The composition of claim 15 further comprising a material to be stabilized, said material selected from the group consisting of: polyolefins, polyesters, polyethers, polyketones, polyamides, natural and synthetic rubbers, polyurethanes, polystyrenes, high-impact polystyrenes, polyacrylates, polymethacrylates, polyacetals, polyacrylonitriles, polybutadienes,

20 polystyrenes, ABS, styrene acrylonitrile, acrylate styrene acrylonitrile, cellulosic acetate butyrate, cellulosic polymers, polyimides, polyamideimides, polyetherimides, polyphenylsulfides, polyphenylene oxide, polysulfones, polyethersulfones, polyvinylchlorides, polycarbonates, polyketones, aliphatic polyketones, thermoplastic TPO's, aminoresin crosslinked polyacrylates and polyesters, polyisocyanate crosslinked polyesters and polyacrylates, phenol/formaldehyde,

25 urea/formaldehyde and melamine/formaldehyde resins, drying and non-drying alkyd resins, alkyd resins, polyester resins, acrylate resins cross-linked with melamine resins, urea resins, isocyanates, isocyanurates, carbamates, epoxy resins, cross-linked epoxy resins derived from aliphatic, cycloaliphatic, heterocyclic and aromatic glycidyl compounds, which are cross-linked with anhydrides or amines, polysiloxanes, Michael addition polymers, amines, blocked amines

30 with activated unsaturated and methylene compounds, ketimines with activated unsaturated and methylene compounds, polyketimines in combination with unsaturated acrylic polyacetoacetate resins, polyketimines in combination with unsaturated acrylic resins, radiation curable compositions, epoxymelamine resins, organic dyes, cosmetic products, cellulose-based paper formulations, photographic film paper, ink, and mixtures thereof.

19. The composition of claim 15 wherein the amount of said triazine compound to said at least one other additive is from about 500:1 to about 1:500 by weight.

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